

WHAT IS CLAIMED IS:

1. A method of treatment of a host with an angiogenic disease, comprising contacting said host with a cephalotaxine in amount sufficient to inhibit angiogenesis,  
5 wherein said angiogenic disease is not a solid tumor.
2. The method of claim 1 wherein the angiogenic disease is selected from the group consisting of an inflammatory disease, diabetic retinopathy, or macular degeneration.
3. The method of claim 2 wherein the inflammatory disease is selected from the group consisting of rheumatoid arthritis, osteoarthritis, asthma, and pulmonary fibrosis.
- 10 4. The method of claim 1 wherein the cephalotaxine comprises homoharringtonine (cephalotaxine, 4-methyl-2-hydroxy-2-(4-hydroxy-4- methyl pentyl) butanediocate ester).
5. The method of claim 1 wherein the cephalotaxine comprises a homoharringtonine analog.
- 15 6. The method of claim 1, wherein the cephalotaxine is administered to said host orally, intravenously, topically, intravascularly, intraperitoneally, intramuscularly, intradermally, subcutaneously or intraarterially.
7. A method of prophylactic treatment of a host, comprising contacting said host with a cephalotaxine in amount sufficient to inhibit the onset or progression of an angiogenic disease.
- 20 8. The method of claim 7, wherein the angiogenic disease is cancer.
9. The method of claim 8, wherein the cancer is characterized by micrometastatic cancer cells.
10. The method of claim 7, wherein the angiogenic disease is an angiogenic disease other than cancer.
- 25 11. The method of claim 7, wherein the angiogenic disease is selected from the group consisting of an inflammatory disease, diabetic retinopathy, or macular degeneration.

12. The method of claim 11, wherein the inflammatory disease is selected from the group consisting of rheumatoid arthritis, osteoarthritis, asthma, and pulmonary fibrosis.
13. The method of claim 7, wherein the cephalotaxine comprises homoharringtonine (cephalotaxine, 4-methyl-2-hydroxy-2-(4-hydroxy-4- methyl pentyl) butanediocate ester).
- 5 14. The method of claim 7, wherein the cephalotaxine comprises a homoharringtonine analog.